CRESCENT WATERPROOFING PRODUCTS

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INTRODUCTORY

Dampness is a destructive force existing in every locality, from which no materials are exempt.

Every class of building construction requires waterproofing protection in some form.

This catalog comprehensively explains the use and application of Crescent Protective Products. It gives specific information regarding the various methods of integral waterproofing, surface waterproofing and damp-proofing, and the treatment of concrete floors to procure wear-resisting surfaces.

CRESCENT SALES & MFG. COMPANY
Succeeding Ceresit Waterproofing Co.
Manufacturers of
Waterproofing Products
CHICAGO

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CRESCENT WATERPROOFING

Paste and Powder

The simplest and most effective method of waterproofing cement mixtures is the incorporation of the waterproofing agent as an integral part of same. This applies to concrete, cement mortar coatings and cement stucco.

Combating water pressure is a matter for serious consideration, for it must be remembered that an upward pressure of one foot of water means an upward lift of 62½ pounds per square foot.

Crescent Waterproofing combines the protective elements necessary to produce cement work which will be permanently water repellent.

The principle by which Crescent Waterproofing performs its function differs from other integral waterproofing compounds.

Crescent Waterproofing depends upon a combination of its constituents with lime in the cement mixture in order to develop its water-repellent properties. In practically every other waterproofing compound, the combination with lime is made prior to its introduction into the cement mixture.

The active waterproofing elements embodied in Crescent Waterproofing are introduced in solution in the water used for tempering concrete, cement mortar or cement stucco.

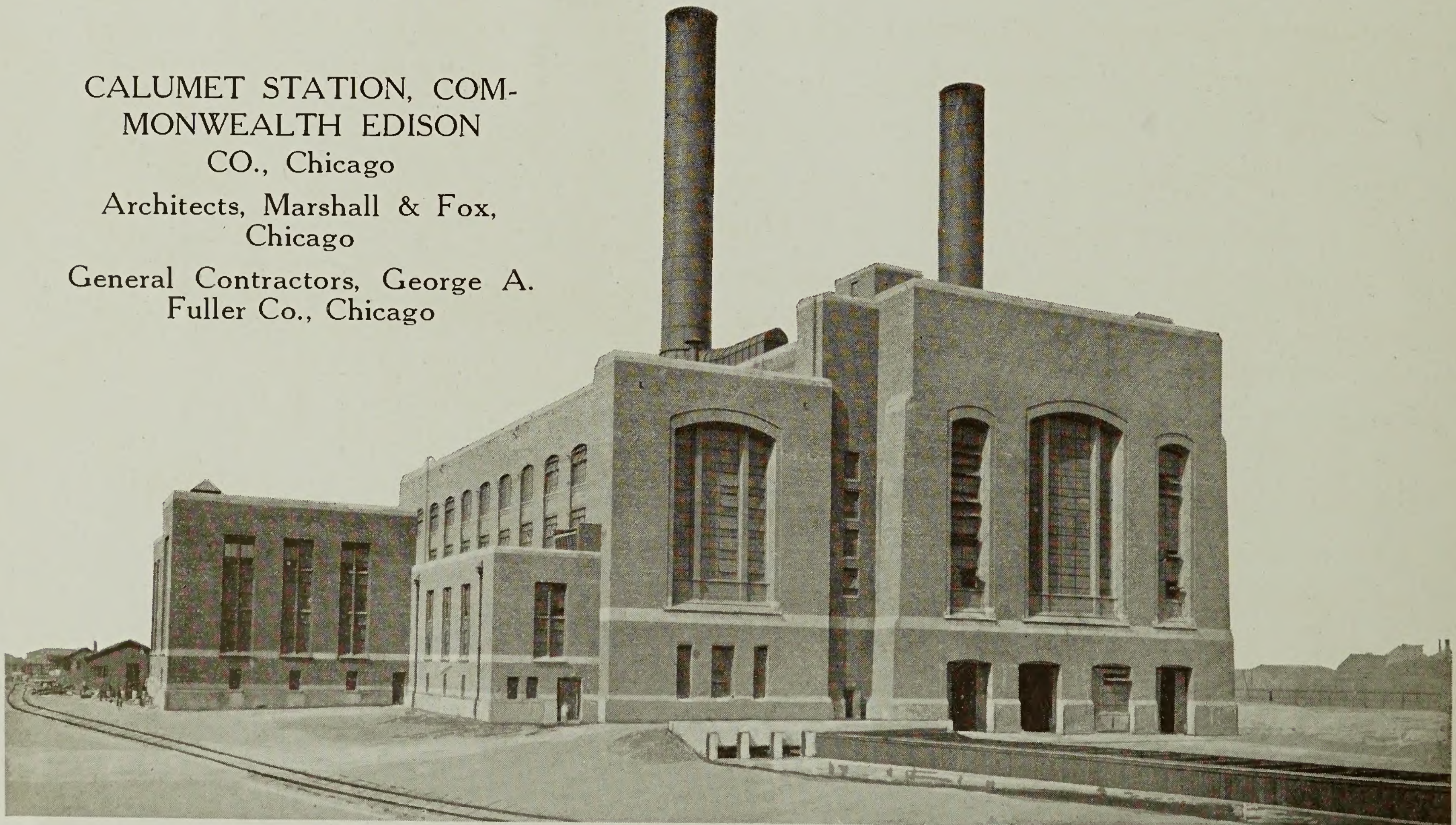
The tempering water, therefore, distributes the waterproofing throughout the cement mixture, making the entire mass water-repellent. This distribution is complete, for cement will not hydrate without combining with water, and each water molecule carries its proportion of active waterproofing.

Crescent Waterproofing is made in both paste and powder form. The method of using each is described in the specifications in the latter half of this book. The use of either paste or powder is optional, depending on individual preference.

CALUMET STATION, COMMONWEALTH EDISON CO., Chicago

Architects, Marshall & Fox, Chicago

General Contractors, George A. Fuller Co., Chicago



Ceresit Waterproofing Compound

The Ceresit formula was conceived and developed by a German Chemist. The American manufacturing rights were owned by the Ceresit Waterproofing Co. until 1922, when that company was absorbed by the Crescent Sales & Mfg. Co.

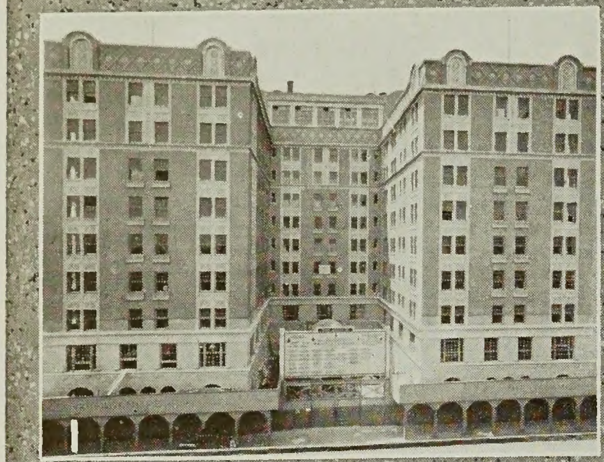
The test of time is the trade mark of quality. Ceresit was one of the first integral waterproofing compounds on the market, and for nearly twenty years has been used successfully in thousands of representative installations.

Ceresit Waterproofing Compound is a plastic paste of the consistency and appearance of ice cream. It is mixed with the gauging water used for tempering concrete, cement mortar or cement stucco, mixing first one part of water and Ceresit, then adding additional water as shown in the Ceresit specifications on page 14. This makes a milky solution which is used instead of plain water for mixing the cement and aggregates.

The success of Ceresit is due solely to its ability to seal the capillary pores in concrete and other cement mixtures surely and permanently. Its continued use covering a period of years by leading architects and engineers, as well as many industrial corporations and railroads, is the best evidence possible of its ability to give uniform and continued service.

Wherever water is to be kept in or out, Ceresit can be used with the confidential expectation that it will do the work for which it is intended.

FEDERAL RESERVE BANK, CHICAGO
Architects, Graham, Anderson, Probst & White, Chicago
General Contractors, John Griffiths & Son Co., Chicago



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1. Sagamore Apartment Hotel, Rochester, N. Y. Arch., John Archibald Armstrong, Chicago. Plastering Contrs., Monahan Bros., Chicago. 800 gals., Crescent Plaster Bond used in this modern building.

2. First Baptist Church, Philadelphia. Exterior treated with Cresolac Transparent Waterproofing.

3. Churchill Apartment Hotel, Chicago. Archs., H. L. Stevens & Co., Chicago. Plastrg. Contrs., Burson Bros., Chicago. Crescent Plaster Bond used throughout.

4. Silo, Nauvoo, Ill. Contr., Sid E. Fowler, Nauvoo. The top 9' of this 85' silo consists of a perfectly waterproofed concrete water tank.

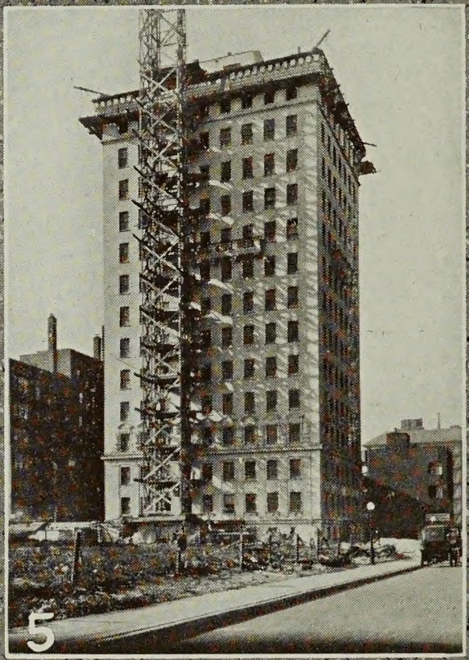
5. Apartment Bldg., 233 E. Walton Pl., Chicago. Arch., C. Howard Crane, Chicago. Gen. Contr., McLennan Cons. Co., Chicago. Plastering Contrs., N. J. Parent Co., Chicago. Crescent Plaster Bond used in entire building.

6. Freight House, M. & St. L. Ry., Marshalltown, Ia. Contr., John Jacobson, Marshalltown. Crescent Metallic Hardener used—where a concrete floor must resist wear.

7. Phila. Rapid Transit Co., Sub-Station, Philadelphia. Exterior surface treated with Cresolac Transparent Waterproofing.

8. Camden Co., Court House, Camden, N. J. Cresolac Transparent Waterproofing used on all exterior trim.

9. Shore Drive Apts., Chicago. Arch., Eric E. Hall, Chicago. Plastering Contrs., Burson Bros., Chicago. Crescent Plaster Bond used throughout building.



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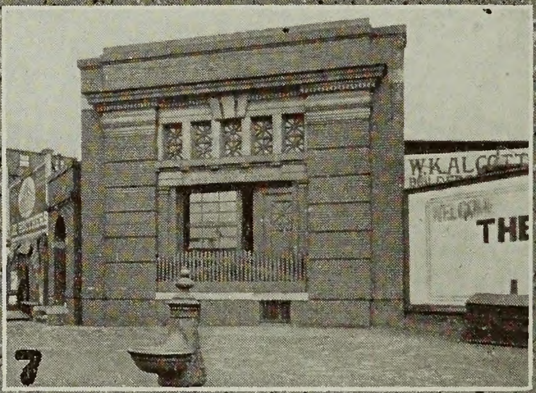

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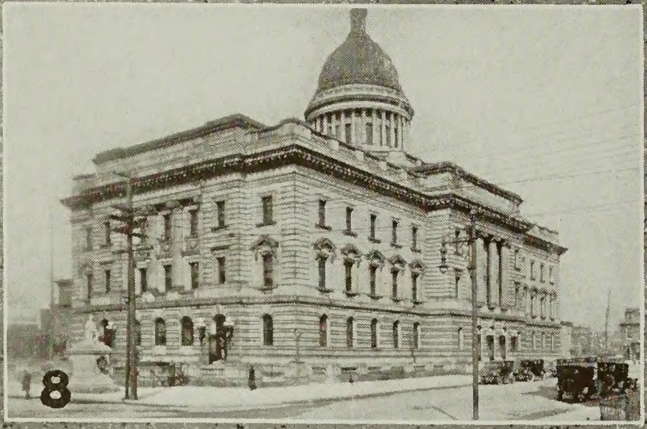

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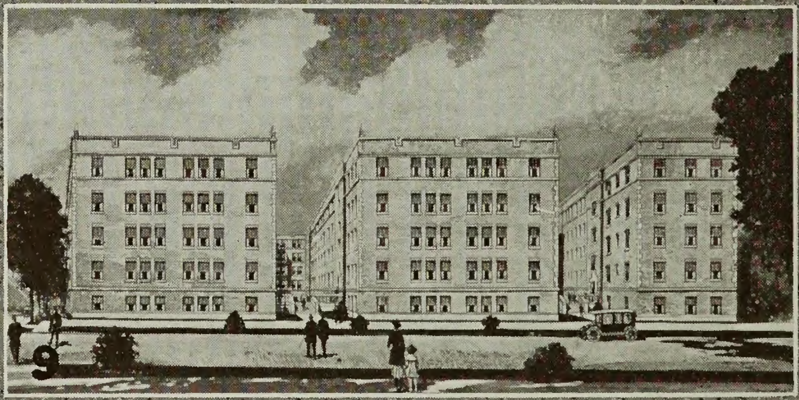

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Crescent Plaster Bond

It is often desired to apply plaster directly on the inside of brick walls where they are the outer walls of the building.

Crescent Plaster Bond provides a bond for the plaster, and eliminates the use of lathing or furring. It also prevents moisture penetration, which discolors and ruins the plaster. In addition, it insulates the walls, retarding the passage of heat and cold.

One or two coats can be applied, but a heavy application must be secured, as too thin a coat is insufficient for bonding the plaster.

Plastering can be done 24 hours after the Plaster Bond is applied; it is advisable to do the work within ten days to avoid the possibility of the Plaster Bond becoming dust coated.

We do not recommend the use of cement mortar over Crescent Plaster Bond, and when used, only one coat can safely be applied.

Crescent Metallic Hardener

Crescent Metallic Hardener is a ground compound, which is incorporated in the top dressing of concrete floors.

The jagged, irregularly shaped particles interlock with the setting of the cement topping, which, with the corrosion of the metal, gives a surface of intense hardness and remarkable wear resisting properties.

Crescent Metallic Hardener is made in two colors. The plain hardener gives a steel gray finish and is for use in mills, factories, loading platforms and all types of industrial work.

Crescent Red Hardener is adapted for theatres, schools, porches, sun parlors, terraces, etc., wherever service and attractiveness are to be combined.

Crescent Damp-proofing

Even where foundations are not subjected to water pressure, they should be protected against moisture, because surface water percolates through the soil and into or through the foundation.

Crescent Damp-proofing applied on the outside of foundation walls gives this protection. Its use, however, is not confined to foundation work. Wherever dirt is to be filled in against walls, Crescent Damp-proofing should be applied, unless waterproofing is used in the concrete itself.

Wood floors laid over a concrete base can be protected from rotting by applying Crescent Damp-proofing to the concrete before laying the floors.

Crescent Damp-proofing has a high grade asphaltic base, combined with preservative elements to protect the paint from disintegration and peeling.

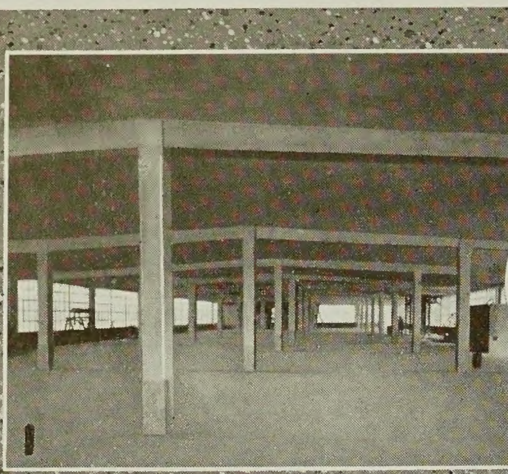
It is also used in a modified form for stainproofing building stone.

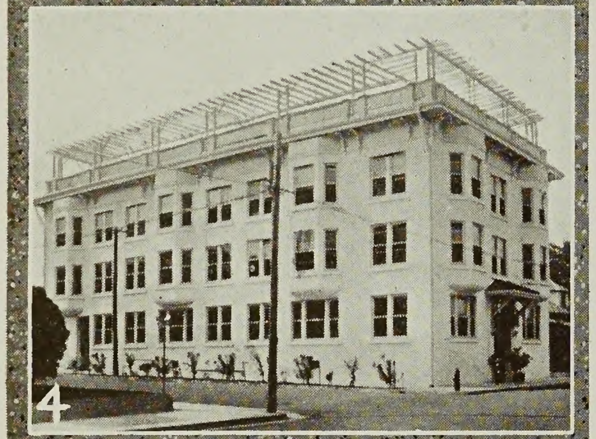
Indurite Liquid Hardener

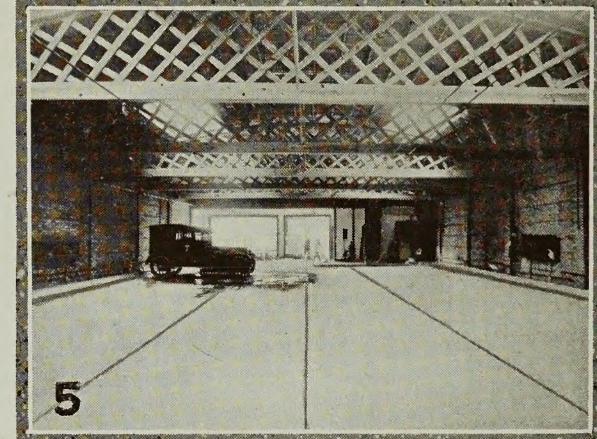
Indurite Liquid Concrete Hardener is a colorless chemical compound, which, when applied to Portland cement surfaces, changes them into a flinty, granite-like hardness, making them at the same time impervious to the action of oils and moisture.

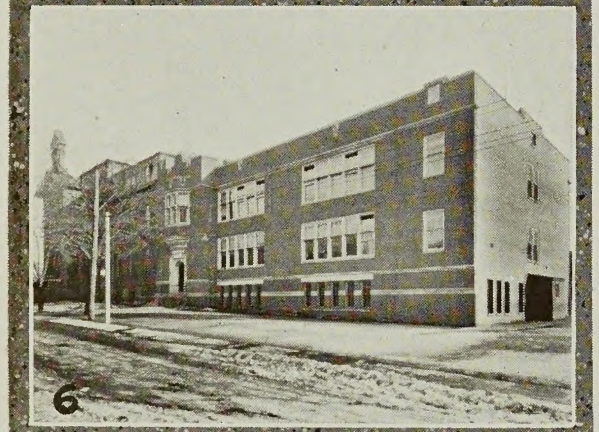
The effect of Indurite is that of chemically transforming the cemented surface, making it harder, and binding the granular surface into greater compactness.

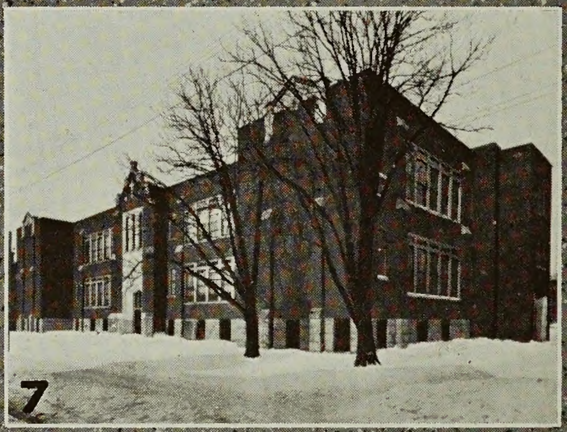
Indurite prevents the dusting of cement floors by making them abrasion resistant. Its use in every type of industrial plant is economy from the standpoint of equipment efficiency alone.











1. **J. & D. Tire Co.,** Charlotte, N. C. Arch., C. C. Hook, Charlotte. Contr., W. P. Rose, Goldsboro, N. C. 35,000 sq. ft. concrete floor hardened with Indurite Liquid Hardener.

2. **Argonaut Rowing Club,** Toronto, Arch., J. M. Lyle. All exterior cement stucco waterproofed with Crescent Waterproofing Paste.

3. **Edgewater Beach Hotel,** Chicago. Archs., Marshall & Fox, Chicago. 180,000 sq. ft. of waterproofed cement stucco. The concrete "Beach Walk" Promenade painted with Cembric Covering Compound, after initial treatment with Cresolac Transparent Waterproofing.

4. **Ostend Apartments,** Miami, Fla. Stucco. Contr., John B. Orr, Miami. All cement stucco waterproofed with Ceresit.

5. **Gorman Garage,** Chicago. Archs., J. N. Coleman & Co., Chicago. Contr., S. W. Thompson. Entire floor hardened with Crescent Metallic Hardener.

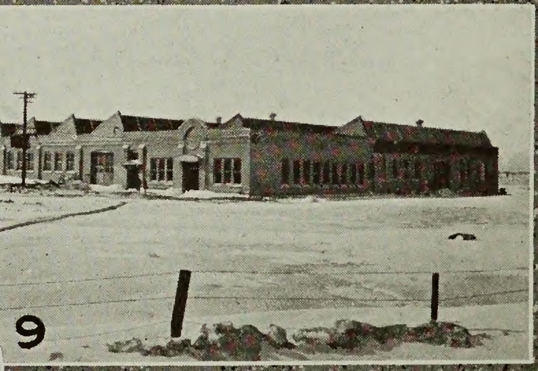
6. **Dufferin Public School,** Toronto. Archs., Toronto Board of Education. Crescent Waterproofing Paste used in basement floor and walls.

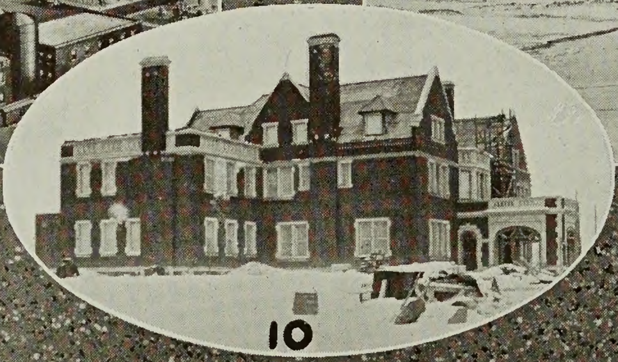
7. **St. Mary's Convent,** Toronto. Arch., J. M. Cowan, Toronto. Crescent Waterproofing Paste used for waterproofing foundations—plaster coat method.

8. **G. B. R. Smith Milling Co.,** Sherman, Texas. All Concrete floors hardened and dust-proofed with Indurite Liquid Hardener.

9. **Oneida Motor Truck Co.,** Green Bay, Wis. All concrete floors treated with Indurite Liquid Hardener.

10. **Residence, Sir Clifford Sifton,** Toronto. Cresolac Transparent Waterproofing used on all artificial stone and brick work. Crescent Stone Backing used on all stone work. Hydrolac Asbestos Putty used for caulking windows.





Cem-Bric Covering Compound

The distinguishing quality of this brick and cement coating is its perfect affinity for cement, brick, stucco and other plastered surfaces. It seals the surface pores, providing a perfect waterproof film of lasting quality.

Cem-Bric protects and beautifies, making it a most desirable paint for every class of ornamental concrete and cement work and buildings of brick, stucco, concrete block and stone. For painting cement floors, its hard film makes it an extremely durable floor finish.

For interior plastered surfaces, Cem-Bric gives a soft, velvety flat finish which is washable.

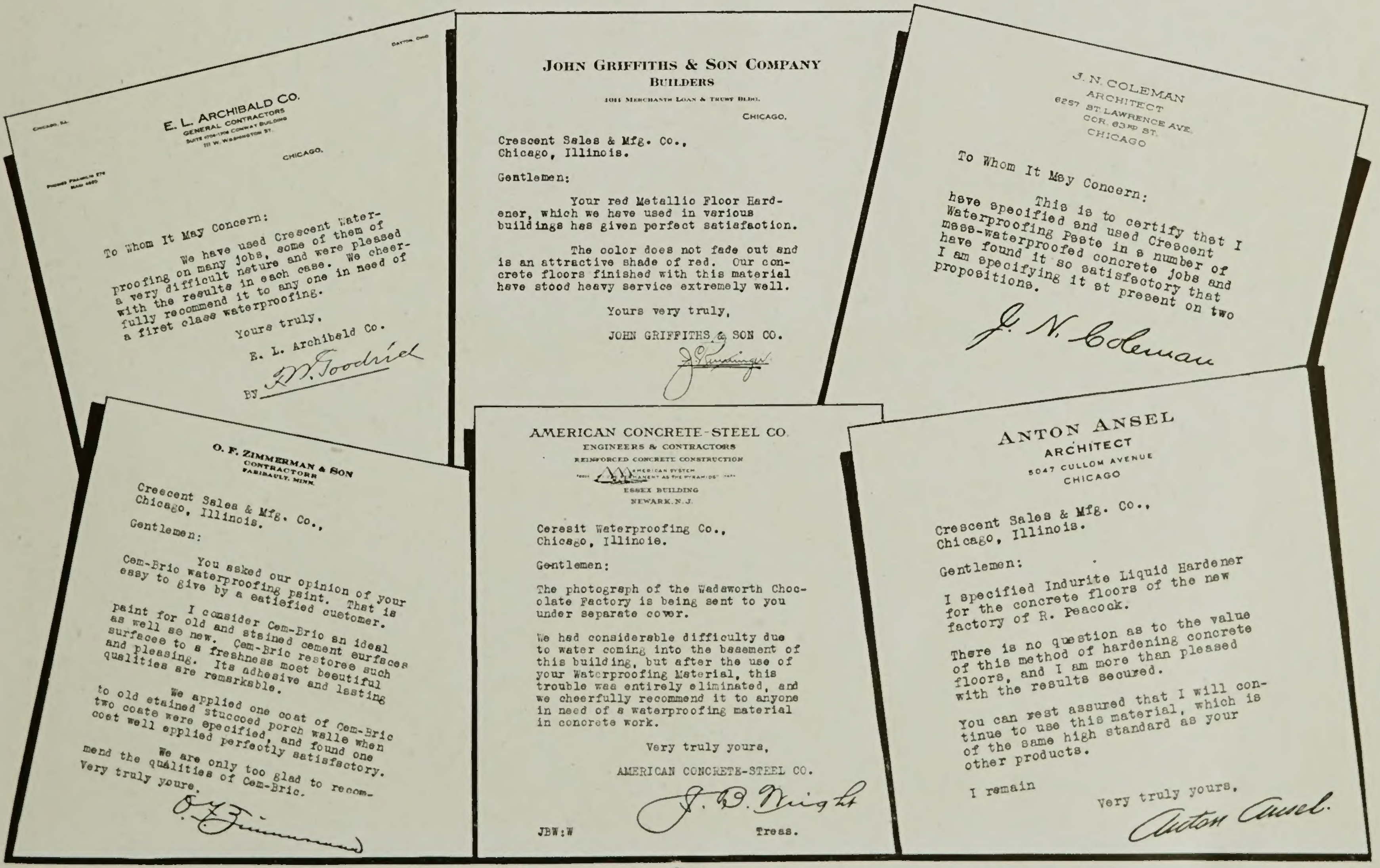
Cem-Bric is made in seven regular colors and can be furnished in any shade desired.

Cresolac Transparent Waterproofing

Mineral building materials are porous to a greater or less degree. Many kinds of brick, limestone and many other materials absorb moisture. Stucco and cement blocks, if not waterproofed integrally, absorb dampness.

Cresolac, painted on such porous surfaces, prevents moisture absorption. It leaves no film, does not affect the color of the treated surface, but penetrates and closes the pores, thus preventing capillary attraction.

Cresolac has many uses, such as waterproofing stucco and brick buildings, monuments of soft stone, cement blocks, outside concrete work, etc. It makes an ideal base for oil paint, but cannot be applied over oil paint.



E. L. ARCHIBALD CO.
GENERAL CONTRACTORS
111 W. WASHINGTON ST.
DAYTON, OHIO
CHICAGO.

To Whom It May Concern:

We have used Crescent Waterproofing on many jobs, some of them of a very difficult nature and were pleased with the results in each case. We cheerfully recommend it to any one in need of a first class waterproofing.

Yours truly,

E. L. Archibald Co.

BY F. W. Goodrich

JOHN GRIFFITHS & SON COMPANY
BUILDERS
1011 MERCHANTS LOAN & TRUST BLDG.
CHICAGO,

Crescent Sales & Mfg. Co.,
Chicago, Illinois.

Gentlemen:

Your red Metallic Floor Hardener, which we have used in various buildings has given perfect satisfaction.

The color does not fade out and is an attractive shade of red. Our concrete floors finished with this material have stood heavy service extremely well.

Yours very truly,

JOHN GRIFFITHS & SON CO.

J. N. COLEMAN
ARCHITECT
6257 ST. LAWRENCE AVE.
COR. 63RD ST.
CHICAGO

To Whom It May Concern:

This is to certify that I have specified and used Crescent Waterproofing Paste in a number of mass-waterproofed concrete jobs and have found it so satisfactory that I am specifying it at present on two propositions.

J. N. Coleman

O. F. ZIMMERMAN & SON
CONTRACTORS
FARIBAULT, MINN.

Crescent Sales & Mfg. Co.,
Chicago, Illinois.

Gentlemen:

You asked our opinion of your Cem-Bric waterproofing paint. That is easy to give by a satisfied customer.

I consider Cem-Bric an ideal paint for old and stained cement surfaces as well as new. Cem-Bric restores such surfaces to a freshness most beautiful and pleasing. Its adhesive and lasting qualities are remarkable.

We applied one coat of Cem-Bric to old stained stuccoed porch walls when two coats were specified, and found one coat well applied perfectly satisfactory.

We are only too glad to recommend the qualities of Cem-Bric.

Very truly yours,

O. F. Zimmerman

AMERICAN CONCRETE-STEEL CO.
ENGINEERS & CONTRACTORS
REINFORCED CONCRETE CONSTRUCTION
AMERICAN SYSTEM
"AS PERMANENT AS THE PYRAMIDS"
ESSEX BUILDING
NEWARK, N. J.

Ceresit Waterproofing Co.,
Chicago, Illinois.

Gentlemen:

The photograph of the Wadsworth Chocolate Factory is being sent to you under separate cover.

We had considerable difficulty due to water coming into the basement of this building, but after the use of your Waterproofing Material, this trouble was entirely eliminated, and we cheerfully recommend it to anyone in need of a waterproofing material in concrete work.

Very truly yours,

AMERICAN CONCRETE-STEEL CO.

J. B. Wright

JBW:W Treas.

ANTON ANSEL
ARCHITECT
5047 CULLOM AVENUE
CHICAGO

Crescent Sales & Mfg. Co.,
Chicago, Illinois.

Gentlemen:

I specified Indurite Liquid Hardener for the concrete floors of the new factory of R. Peacock.

There is no question as to the value of this method of hardening concrete floors, and I am more than pleased with the results secured.

You can rest assured that I will continue to use this material, which is of the same high standard as your other products.

I remain

Very truly yours,

Anton Ansel.

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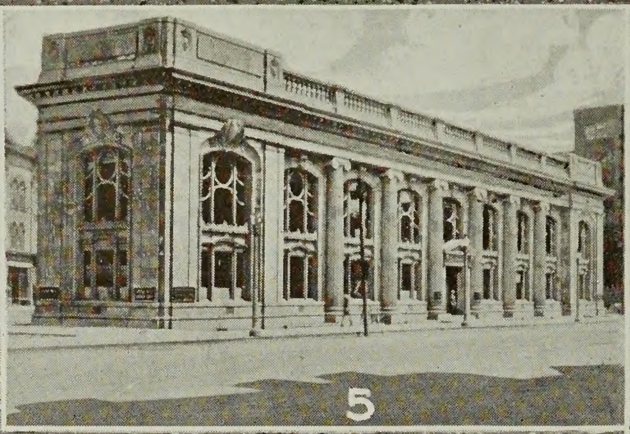
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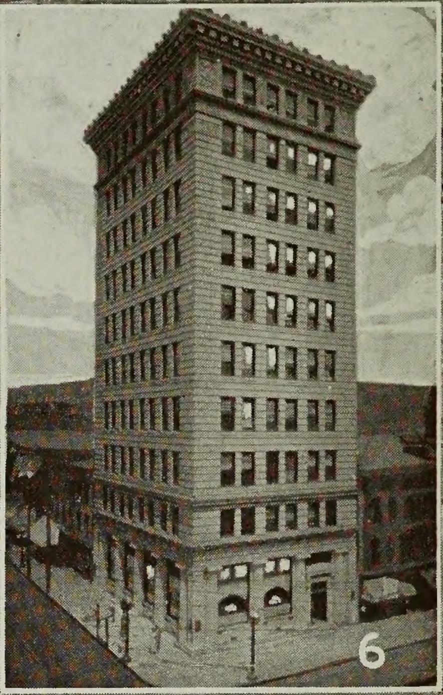
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1. **Robinson Dept. Store,** Los Angeles. Arch., Noonan & Richards, Los Angeles. Contrs., C. J. Kubach Co., Los Angeles. Entire basement waterproofed with Ceresit.

2. **Tutwiler Hotel,** Birmingham, Ala. Arch., Wm. Leslie Welton, Birmingham. Contrs., Wells Bros., New York. Basement waterproofed, mass concrete method.

3. **Cherry Hotel,** Wilson, N. C. Archs., Benton & Benton, Wilson. Contrs., J. W. Stout & Co., Sanford, N. C. All basement floors and walls waterproofed with Crescent Waterproofing Paste. Crescent Metallic Hardener and Cembric Covering Compound used on all bedroom and corridor floors. Crescent Plaster Bond used throughout building.

4. **Versailles Hotel,** Chicago. Arch., Eric E. Hall, Chicago. Gen. Contrs., Salomon—Waterton Co., Chicago. Basement walls and floor waterproofed with Crescent Waterproofing Paste.

5. **2nd Ward Bank Bldg.,** Milwaukee. Archs., Kirchoff & Rose, Milwaukee. Contrs., Fuldner Construction Co., Milwaukee. Entire substructure waterproofed with Ceresit.

6. **Sinclair Bldg.,** Steubenville, O. Archs., W. G. Wilkins Co., Pittsburgh. Basements, concrete roof slab and sidewalks waterproofed, mass concrete method.

7. **Apartment Hotel,** 219 Lake Shore Drive, Chicago. Archs., Fugard & Knapp, Chicago. Gen. Contrs., McLennan Construction Co., Chicago. Plastrg. Contrs., N. J. Parent Co., Chicago. Crescent Plaster Bond used throughout building.

8. **Jefferson Co. Bank Bldg.,** Birmingham, Ala. Arch., Wm. C. Weston, Detroit. Contrs., F. W. Marks Construction Co., Birmingham. Foundations waterproofed with Ceresit.

9. **Davidson Bldg.,** Sioux City, Ia. Arch., Wm. L. Steele, Sioux City. Contrs., Lytle Construction Co., Sioux City. Waterproofed cement mortar used in laying all brick work.

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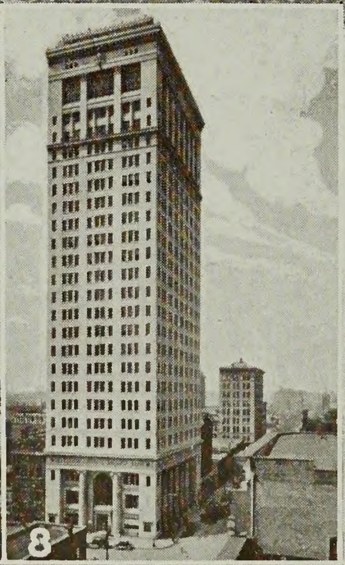
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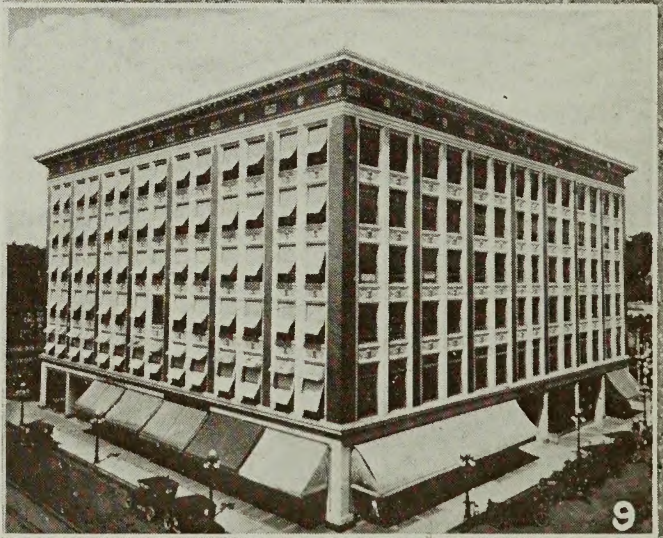
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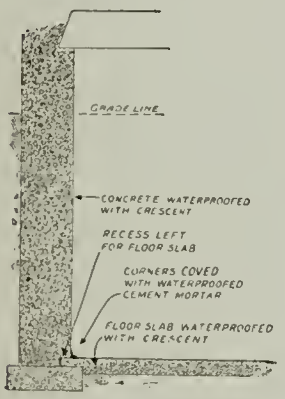
SPECIFICATIONS for WATER PROOFING

DAMP-PROOFING • FLOOR-HARDENER • ETC

Waterproofing Mass Concrete

INTEGRAL METHOD


GRADE LINE
CONCRETE WATERPROOFED WITH CRESCENT
RECESS LEFT FOR FLOOR SLAB
CORNERS COVED WITH WATERPROOFED CEMENT MORTAR
FLOOR SLAB WATERPROOFED WITH CRESCENT

General. Describing the integral method of waterproofing reservoirs, cisterns, pits, basements, swimming pools, burial vaults and other below grade concrete work.

Material. The waterproofing material shall be Crescent Waterproofing (paste or powder as preferred) as manufactured by Crescent Sales & Manufacturing Co., Chicago, and used in accordance with these specifications.

Proportions. The concrete shall be 1-2-4 mix, using clean sand, and stone uniformly graded from ½″ to 1½″.

Waterproofing. The use of paste or powder is optional, depending on individual preference, the waterproofing results being equally efficient.

CRESCENT PASTE

Temper the concrete aggregates with following solution: Mix 1 part each of Crescent Waterproofing Paste and water, then add 23-35 parts water (depending on severity of waterproofing conditions), proportions in final solution to be 1 part Crescent Waterproofing Paste, 24-36 parts water.

Or, add Crescent Waterproofing Paste to concrete aggregates in the mixer, figuring on the basis of 8-12 lbs. of Crescent Waterproofing Paste to cubic yard of concrete.

CRESCENT POWDER

Use 2 lbs. of Crescent Waterproofing Powder to each bag of cement, that is, add 2% of Crescent Waterproofing Powder to the cement by weight. Mix the dry cement and waterproofing powder thoroughly, then add the sand. Add water and stone and mix in customary way.

Or, add Crescent Waterproofing Powder to the aggregates in the mixer on the basis of 2 lbs. of Crescent Waterproofing Powder to each bag of cement, that is, 2% of the amount of cement by weight.

Placing. For uniform density concrete must be spaded well and puddled to quaking consistency, pouring in continuous operation if possible. Otherwise, roughen old surface and flush with water and apply slush coat of waterproofed cement, proceeding with concrete pouring while surface is still wet.

Drainage System. For successful waterproofing results water pressure must be removed until concrete is set, using pump or other means of relieving pressure.

Waterproofing Foundations

PLASTER COAT METHOD

Inside Walls

General. This method of waterproofing is adapted to basements, reservoirs, swimming pools, tunnels, cisterns and similar work.

Proportions. The cement mortar shall be one (1) part Portland Cement and two (2) parts clean sand.

Waterproofing. The waterproofing material shall be Crescent Waterproofing (paste or powder as preferred) used as per instructions below:

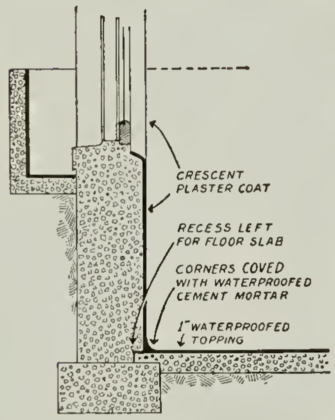
CRESCENT PASTE

Dry mix cement and sand and temper with the following solution: Thoroughly mix 1 part each Crescent Paste and water, then add 11-15 parts water, final solution to be 1 part Crescent Paste, 12-16 parts water.

Amount required, 2½-3 lbs. per sq. ft. of cement mortar for each ¼″ thickness.

CRESCENT POWDER

Mix the dry cement and Crescent Waterproofing Powder thoroughly, add the sand, then add the water, mixing and turning over constantly until a thoroughly plastic mortar is secured. Use 2 lbs. of Crescent Powder to each bag of cement, that is, add 2% of Crescent Powder to the amount of cement by weight.


CRESCENT PLASTER COAT
RECESS LEFT FOR FLOOR SLAB
CORNERS COVED WITH WATERPROOFED CEMENT MORTAR
1″ WATERPROOFED TOPPING

Relieving Water Pressure. Dig sump below floor surface and pump or bail water out as necessary. All pressure must be relieved until cement mortar is fully set.

Initial Surface Treatment. Rake joints in brick or rubble walls, wire brush and wash. Apply waterproofed neat cement wash of creamy consistency, keeping just ahead of application of scratch coat. On concrete walls, roughen surface, wire brush and wash. Flush with water to full capacity and apply waterproofed neat cement wash, keeping just ahead of scratch coat.

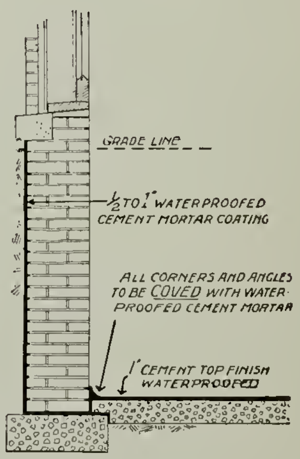
Application. Following above operation, apply waterproof cement plaster coat to walls to thickness of ⅜″, working thoroughly into place. Scratch when sufficiently set. Treat with a waterproofed neat cement wash and while still damp apply finish coat. After initial set, float or trowel to smooth, hard finish. Apply a one-inch waterproofed cement topping on floor in one continuous layer. Cove out juncture of floor and walls so as to secure perfect joint.

Outside Walls

Follow above specifications and in addition proceed as follows:

Footings. Apply waterproofed plaster coat 1½″ thick over top of footings and 1 foot down each side. If footings are already set, roughen surface and wash with waterproofed neat cement, then apply plaster coat.

Walls. After side wall is placed, apply waterproofed plaster coat ⅜″ thick, working thoroughly into place. Scratch when sufficiently set, treat with waterproofed neat cement wash, and while still damp apply finish coat. After initial set, float or trowel to smooth, hard finish.


GRADE LINE
½ TO 1″ WATERPROOFED CEMENT MORTAR COATING
ALL CORNERS AND ANGLES TO BE COVED WITH WATERPROOFED CEMENT MORTAR
1″ CEMENT TOP FINISH WATERPROOFED

Waterproofing Cement Stucco

General. The penetration of moisture in stuccoed surfaces causes hair cracking and disintegration on account of extremes in temperature; also unsightly discoloration. Waterproofed stucco is lasting because the surface repels moisture and therefore every rain washes and cleans the stucco. On the other hand, if not waterproofed, the rain drives the dust and dirt which collects on the surface into the stucco, with the result that the expansion due to alternate freezing and thawing permanently injures the stucco coating. The use of waterproofing, therefore, provides an economical and efficient method of procuring impermeable stucco which will be permanent.

Portland cement stucco has given the best service of any material in use for this class of work. Experiments are always costly and it is therefore wise to be sure when deciding a matter of such importance as this, to select the kind of stucco which will be lasting.

Proportions. For three-coat work, the first two coats shall be 1 part Portland Cement and 2 parts clean sand. The third coat shall be 1 part Portland Cement and 2½ parts sand.

Waterproofing. The waterproofing material shall be Crescent Waterproofing (paste or powder as preferred) as manufactured by Crescent Sales & Manufacturing Co., Chicago, and used as per instructions below:

CRESCENT PASTE

Dry mix cement and sand and temper with following solution: Thoroughly mix 1 part each Crescent Paste and water, then add 11-15 parts water, proportions in final solution to be 1 part Crescent Paste, 12-16 parts water.

Amount required, 3 lbs. per 100 sq. ft. for each ¼″ thickness.

CRESCENT POWDER

Mix the dry cement and Crescent Waterproofing Powder thoroughly, add the sand, then add the water, mixing and turning over constantly until a thoroughly plastic mortar is secured. Use from 2 to 3 lbs. Crescent Waterproofing Powder to each bag of cement, that is, 2% to 3% of Crescent Powder to the amount of cement by weight.

Application. The first stucco coat shall be ⅜″ thick. In mixing same add 1 shovel of heavy fibred mortar for every bag of cement when stucco is applied over metal lath, wire cloth or wood. This coat shall be scratched diagonally and allowed to set. While still damp apply second coat ¼″ thick, which shall also be scratched. Apply both coats continuously in one general direction. Make necessary joints at some natural division of the surface as window and door. The third or final coat shall be ¼″ thick.

Finish. Many attractive finishes can be secured, samples and specifications of which will be forwarded on request.

Drying Out. Permit the last coat to dry out slowly, protecting same by sprinkling.

Protecting Outside Concrete Work

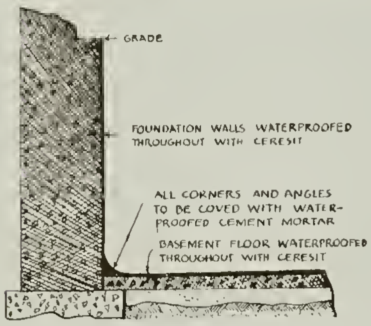
General. The use of waterproofing is highly desirable in outside cement work such as pergolas, fountains, concrete bridges, pylons, culverts and similar types of work.

Waterproofing. The use of paste or powder is optional, depending on individual preference, the waterproofing results being equally efficient. Follow the specifications for waterproofing mass concrete.

Specifications for Using Ceresit Waterproofing Compound

Waterproofing Mass Concrete

Temper the concrete aggregates with the following solution:


GRADE
FOUNDATION WALLS WATERPROOFED THROUGHOUT WITH CERESIT
ALL CORNERS AND ANGLES TO BE COVED WITH WATER-PROOFED CEMENT MORTAR
BASEMENT FLOOR WATERPROOFED THROUGHOUT WITH CERESIT

SHOWING METHOD OF WATERPROOFING CONCRETE FOUNDATION WALLS AND FLOORS THROUGHOUT THE MASS WITH CERESIT, INCLUDING 1" TOP DRESSING

Mix one part each of Ceresit and water, then add 15-19 parts of water (depending on severity of water pressure) the proportions in final solution to be one part Ceresit to 16-20 parts water.

Or, add Ceresit to concrete aggregates in the mixer, figuring on the basis of 10-12 lbs. Ceresit per cubic yard of concrete.

For uniform distribution the mixture must be spaded well, puddled to quaking consistency, and poured in one continuous operation where possible. Otherwise, roughen surface and apply slush coat of waterproofed cement, proceeding with the concrete pouring while surface is still wet.

Successful waterproofing results can only be secured when all water pressure is relieved until concrete is set.

Ten to twelve pounds of Ceresit are required per cubic yard of concrete.

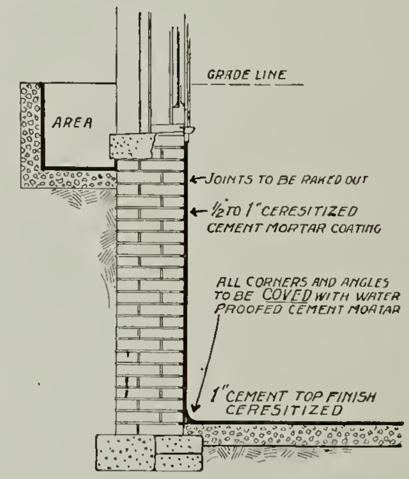
Waterproofing Cement Plaster

Dry mix cement and sand, tempering with the following solution:

Mix one part each of Ceresit and water, then add eleven parts of water so that final solution is one part Ceresit to 12 parts water.

Apply the waterproofed cement plaster in the customary manner, making sure that all water pressure is relieved by bleeders or other method until plaster is set.

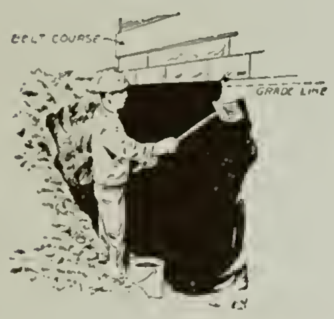
The amount of Ceresit required is twelve pounds to 100 square feet cement plaster one inch thick, and proportionate amounts for fractions of an inch.


GRADE LINE
AREA
JOINTS TO BE RAKED OUT
½" TO 1" CERESITIZED CEMENT MORTAR COATING
ALL CORNERS AND ANGLES TO BE COVED WITH WATER PROOFED CEMENT MORTAR
1" CEMENT TOP FINISH CERESITIZED

Waterproofing Cement Stucco

Moisture penetration in stuccoed surfaces causes discoloration and hair cracking. Alternate freezing and thawing of unwaterproofed stucco means eventual disintegration. Waterproofed stucco repels moisture, so every rain washes and cleans the surface. The use of waterproofing, therefore, provides an economical and sure method of securing permanent stucco. Use Ceresit in the same manner as for waterproofing cement plaster.

Crescent Damp-proofing



General. These specifications cover the damp-proofing of foundation walls surrounding excavated portions of building.

Material. All outer foundation walls shall be damp-proofed with Crescent Damp-proofing as manufactured by Crescent Sales & Manufacturing Co., Chicago, and used according to directions below:

Preparing Surface. Rake out mortar joint on brick walls to form key. Thoroughly flush with water and apply ½″ cement plaster coat from outer edge of footing to grade level. Concrete walls must be thoroughly cleaned, and holes, cracks, etc., pointed up.

Application. After above operation, apply Crescent Damp-proofing with large brush from outer edge of footing to 2″ above grade level. Retouch portions not having glossy, black appearance. After first coat is dry apply second coat.

Covering Capacity. Single coat, 60-70 sq. ft. per gallon on brick; 70-80 sq. ft. per gallon on concrete. For two coats, 40-50 sq. ft. per gallon.

Filling In. Do not back fill with earth until the damp-proofing has had sufficient time to become thoroughly dry.
Covering Capacity. About 50 sq. ft. per gallon for both coats.

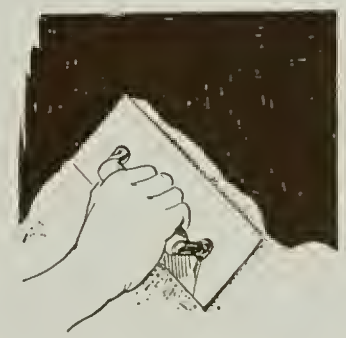
Protecting Wood Floors Laid Over Wood Base

General. Where wood floors are laid over a concrete base it is essential that a protective, damp-proof coating be applied on the concrete to protect the wood floors from rotting. The use of Crescent Damp-proofing supplies an economical method of insulation to protect the wood floors from the effects of moisture penetration.

Application. After concrete is thoroughly cleaned, apply heavy saturating coat of Crescent Damp-proofing. After first coat is dry apply second coat.

Sleepers. After damp-proofing is dry, lay wood sleepers and fill in with lean mortar in usual way. After allowing three days for drying, lay wood floor.

Crescent Plaster Bond



General. This material provides a damp-proofing and bonding coat for the inner surfaces of outer or exposed walls over which plaster is to be applied. It is not recommended for ceiling work.

Material. The interior surfaces of all exposed walls shall be coated with Crescent Plaster Bond, as manufactured by Crescent Sales & Manufacturing Co., Chicago, and used in accordance with directions below:

Preparing Walls. Remove all mortar droppings and dirt, leaving surface clean. Point up joints and cracks, allowing same to dry before applying plaster. Space around doors and windows shall be calked with oakum.

Application. Apply Crescent Plaster Bond with large brush in heavy saturating coat. Retouch all places not having glossy, black appearance.

Plaster. Do not apply plaster until 24 hours after coating walls. If building is clean, Plaster Bond will remain tacky and can be plastered at any time within 60 days.

Covering Capacity. 60-75 sq. ft. per gallon on brick; 75 sq. ft. per gallon on concrete for single coat work.

Indurite Liquid Hardener

A Liquid Chemical Compound for Wear-proofing and Dust-proofing Concrete Floors

General. Indurite is a colorless, chemical compound, which, when applied to a cemented surface, forms a combination of intense hardness and density, the process being that of chemical reaction.

Length of service is the attribute required of a concrete floor. New floors treated with Indurite Liquid Hardener are made more efficient because they will give longer service, and old floors can be reclaimed for added years of usefulness by exactly the same method as in treating new floors.

The use of Indurite reduces dusting to a minimum, which protects bearings of machinery and shaft hangers, and keeps to the lowest point air suspended dust. Its use, therefore, is a logical means of reducing the cost of floor maintenance.

Directions for use: Sweep the floor and remove all foreign matter such as oil and grease. Workmen should wear rubbers or rubber boots as Indurite eats leather.

First Coat: Dilute Indurite with water half and half, as this diluted solution insures deeper penetration. Flush the material over the floor surface generously, scrubbing in thoroughly with long-handled brooms having stiff bristles. Go over the floor repeatedly until soaked to full absorbent capacity.

Second Coat: Do not dilute second application, but use Indurite full strength, flushing over the floor and using same degree of thoroughness as in applying the first coat. Allow several hours between coats. If a white precipitate remains on the surface, wash off with hot water, cleaning up with a rubber squeegee such as used in washing windows.

Where the condition of the floor demands, three applications may be advisable.

Covering Capacity: For both coats, approximately 100 sq. ft. per gallon.

Crescent Metallic Floor Hardener

General. Crescent Metallic Hardener is a ground iron compound to be incorporated in the topping of concrete floors for protection against dusting and to render them capable of resisting heavy service.

The use of Metallic Floor Hardener is not intended as a cure-all because poor workmanship will ruin a floor where Metallic Hardener is used, just the same as when cement only is used. Careful workmanship, therefore, is just as necessary in placing concrete floors of Metallic Hardener, which is true, of course, in every class of construction work.

This method of concrete floor hardening is in common usage and has become a standard specification. The jagged particles of metal interlock when the cement topping sets, and this, together with the corrosion of the metal, gives the floor surface intense density.

DUST COAT APPLICATION

Apply cement topping in ordinary manner. When partially set, float to even and true surface. Dust over same a mixture of 25 lbs. each of Metallic Hardener and Portland Cement per each 100 sq. ft. of surface. Float in and trowel. Give surface a second troweling at proper time to make a smooth, even finish. Protect floor with wet sand or sawdust for several days.

Cembric Covering Compound

A Decorative, Waterproof Coating for Brick, Stucco and Similar Surfaces, and for Concrete Floors

General. Cem-bric Covering Compound is a specially prepared paint having the property of entering and sealing the pores of the surface treated, permanently waterproofing same.

Cem-bric is adapted for exteriors of buildings of brick, cement and similar materials of a porous nature. It not only waterproofs but provides an attractive exterior, being made in white, cream, buff, cement gray, tile green, brown and brick red.

Cem-bric differs from other classes of paint because of its affinity for cement and brick surfaces and its property of pore penetration. At the same time on account of its peculiar waterproofing properties it successfully prevents the entrance of moisture.

Cem-bric white No. 101 makes a perfect undercoat for application on plastered surfaces to be enameled. Cem-bric in any color makes an efficient and attractive paint to use on interior plastered walls and ceilings, making it a very desirable coating for offices, show rooms, etc.

Specifications. Exteriors. The surface must be perfectly dry and clean. Apply a flowing coat of Cem-bric, using ordinary paint brush, thoroughly saturating the surface. Thin first coat with turpentine if necessary. Allow first coat to dry, then apply second coat without thinning.

Concrete Floors. Sweep floor surface clean and remove loose particles of dirt, grease and oil. Apply a flowing coat, thinning if necessary with turpentine. After first coat dries apply second coat without thinning.

Covering Capacity. 150-200 sq. ft. per gallon for both coats, depending largely on the porosity of the surface.

Cresolac Transparent Waterproofing

A Waterproofing Liquid for Surface Application Which Does Not Discolor or Change the Treated Surface

Cresolac is a protective waterproofing liquid to be applied over exteriors of stucco, brick, stone or similar porous material. It leaves no film, but enters and effectively seals the pores, waterproofing the surface.

Cresolac does not change the color of the treated surface and its use provides permanent protection for any porous structure.

The use of Cresolac provides a simple and economical method of waterproofing exteriors where protection is desired without changing in any way the surface color.

Directions. Apply with wide brush or spray in two coats several hours apart over dry and dirt free surface.

Covering Capacity. 150-200 sq. ft. per gallon for both coats.

Hydrolac Acidproofing

A special acid and alkali resistant coating for every class of work where a protective paint of this nature is required.

The highly protective value of this material is evident from the fact that in a recent acid splash test made by one of the chemical manufacturers, two coats of Hydrolac Acidproofing were not affected by either sulphuric, nitric or muriatic acids.

Directions. Surface must be dry and clean. Apply in two coats, allowing first coat to dry thoroughly.

Covering Capacity. 350-400 sq. ft. per gallon each coat.

Hydrolac Structural Coating

A black, protective coating with elaterite base, which will stand the stress of extreme climatic changes. This paint is adapted for structural steel work, bridges, fire escapes, gas tanks and general structural work.

It will be seen from the above that Hydrolac Structural Coating is a paint for general use. It is made in black only. On account of its waterproofing qualities it is adaptable for a variety of purposes. It possesses great durability and is highly resistant to the action of moisture, gases, etc.

Directions. Apply in two coats to clean and dry surface, allowing first coat to dry thoroughly.

Covering Capacity. About 400 sq. ft. per gallon for each coat.

Hydrolac Asbestos Putty

A compound composed of pure asphaltum, waterproof oils, and asbestos fibre, of consistency slightly softer than putty. It will remain flexible, resist temperature extremes, and conform to changes due to expansion and contraction. These qualities make this material valuable for roof repair work, crack filling, pointing up chimneys and general repair work. It also is used as a plastic roofing.

Made in black and red.

Directions. Wire brush cracks or surfaces to be treated. Apply with plasterer's trowel ¼″ or ⅜″ thickness.

Crescrete Frostproofing

Crescrete Frostproofing is an effective anti-freeze solution to be mixed with the gauging water, for placing concrete in temperatures below freezing.

The use of Crescrete lowers the freezing point of the water and thereby makes winter concrete work possible. In addition, by the use of Crescrete, a denser, firmer and quicker setting concrete will be secured.

Directions: Mix Crescrete with the gauging water in proportions as shown in the following table:

Temperature	**Proportions**
32° to 20°	1 part Crescrete to 15-18 parts water
19° to 15°	1 part Crescrete to 10 parts water
14° to 10°	1 part Crescrete to 5 parts water
9° to -5°	1 part Crescrete to 4 parts water